FEBS Letters 345 (1994) 249–250

Contents to volume 345

Research Letters

Activation of Na,K-ATPase by an endogenous peptide, PEC-60 (FEBS 14021) *C. Kairane, M. Zilmer, V. Mutt, R. Sillard* 1

Structural similarity of cytochrome c_2 from *Rhodopseudomonas viridis* to mitochondrial cytochromes *c* revealed by its crystal structure at 2.7 Å resolution (FEBS 14004) *S. Sogabe, T. Ezoe, N. Kasai, M. Saeda, A. Uno, M. Miki, K. Miki* 5

The *Pseudomonas* phytotoxin coronatine mimics octadecanoid signalling molecules of higher plants (FEBS 14025) *E.W. Weiler, T.M. Kutchan, T. Gorba, W. Brodschelm, U. Niesel, F. Bublitz* 9

Human progelatinase A can be activated by matrilysin (FEBS 14026) *T. Crabbe, B. Smith, J. O'Connell, A. Docherty* 14

CT-Boxes are involved in control of the rat insulin II gene expression (FEBS 14044) *C. Rommel, I.B. Leibiger, B. Leibiger, R. Walther* 17

Prediction of the structural similarity between spermidine/putrescine-binding protein and maltose-binding protein (FEBS 14049) *Y. Matsuo, K. Nishikawa* 23

Identification of two distinct synucleins from human brain (FEBS 14009) *R. Jakes, M.G. Spillantini, M. Goedert* 27

Alzheimer's β-amyloid peptide specifically interacts with and is degraded by insulin degrading enzyme (FEBS 14002) *I.V. Kurochkin, S. Goto* 33

The interaction of metal ions with annexin V: a crystallographic study (FEBS 14022) *A. Lewit-Bentley, G. Arthur Bentley, B. Favier, G. L'Hermite, M. Renouard* 38

Protein kinase C inhibitors induce apoptosis in human malignant glioma cell lines (FEBS 14029) *W.T. Couldwell, D.R. Hinton, S. He, T.C. Chen, I. Sebat, M.H. Weiss, R.E. Law* 43

Nonendothelial-derived nitric oxide activates the ATP-sensitive K^+ channel of vascular smooth muscle cells (FEBS 14031) *H. Miyoshi, Y. Nakaya, H. Moritoki* 47

Reversible inhibition of cytochrome c oxidase, the terminal enzyme of the mitochondrial respiratory chain, by nitric oxide: Implications for neurodegenerative diseases (FEBS 14038) *M.W.J. Cleeter, J.M. Cooper, V.M. Darley-Usmar, S. Moncada, A.H.V. Schapira* 50

X-band ESEEM spectroscopy of ^{15}N substituted native and inhibitor-bound superoxide dismutase: Hyperfine couplings with remote nitrogen of histidine ligands (FEBS 14020) *S. Dikanov, I. Felli, M.-S. Viezzoli, A. Spoyalov, J. Hüttermann* 55

Vacuolar ATPase inactivation blocks recycling to the *trans*-Golgi network from the plasma membrane (FEBS 14051) *B. Reaves, G. Banting* 61

Thyroid hormones increase insulin-like growth factor mRNA levels in the clonal osteoblastic cell line MC3T3-E1 (FEBS 14056) *F. Varga, M. Rumpler, K. Klaushofer* 67

Prothymosin α binds to Histone H1 in vitro (FEBS 14053) *T. Papamarcaki, O. Tsolas* 71

Characterization of the paramagnetic iron-containing redox centres of *Thiosphaera pantotropha* periplasmic nitrate reductase (FEBS 14059) *J. Breton, B.C. Berks, A. Reilly, A.J. Thomson, S.J. Ferguson, D.J. Richardson* 76

Identification of the U-937 membrane-associated proteinase interacting with the V3 loop of HIV-1 gp120 as cathepsin G (FEBS 14024) *L.-E. Avril, M.D. Martino-Ferrer, G. Pignede, M. Séman, F. Gauthier* 81

Calcium mobilisation controls tyrosine protein phosphorylation independently of the activation of protein kinase C in human platelets (FEBS 14028) *H. Falet, F. Rendu* 87

Hypothesis

A homology-based molecular model of the proline-rich homeodomain protein Prh, from haematopoietic cells (FEBS 14060) *S. Neidle, G.H. Goodwin* 93

Research Letters

11-Hydroxythromboxane B_2 dehydrogenase is identical to cytosolic aldehyde dehydrogenase (FEBS 14023) *P. Westlund, A.C. Fylling, E. Cederlund, H. Jörnvall* 99

Combination of the electrogenic ionophores, valinomycin and CCCP, can lead to non-electrogenic K^+/H^+ exchange on bilayer lipid membranes (FEBS 14034) *V.N. Orlov, Yu.N. Antonenko, A.A. Bulychev, L.S. Yaguzhinsky* 104

Fertilization of *Xenopus* eggs imposes a complete translational arrest of mRNAs containing 3'UUAUUUAU elements (FEBS 14027) *O. Marinx, S. Bertrand, E. Karsenti, G. Huez, V. Kruys* 107

The covalent maleimidobenzoyl-actin-myosin head complex: Cross-linking of the 50 kDa heavy chain region to actin subdomain-2 (FEBS 14012) *R. Bertrand, J. Derancourt, R. Kassab* 113

Spin trapping of nitric oxide produced in vivo in septic-shock mice (FEBS 14036) *C.-S. Lai, A.M. Komarov* 120

Refolding proteins by gel filtration chromatography (FEBS 14015) *M.H. Werner, G.M. Clore, A.M. Gronenborn, A. Kondoh, R.J. Fisher* 125

Regulation of interleukin-6 receptor expression by interleukin-6 in human monocytes – a re-examination (FEBS 14030) *M. Schoester, P.C. Heinrich, L. Graeve* 131

Purification and properties of a novel enzyme from *Bacillus* spp. T-3040, which catalyzes the conversion of dextran to cyclic isomaltooligosaccharides (FEBS 14032) *T. Oguma, K. Tobe, M. Kobayashi* 135

A major cellular substrate for protein kinases, annexin II, is a DNA-binding protein (FEBS 14033) *V. Boyko, O. Mudrak, M. Svetlova, Y. Negishi, H. Ariga, N. Tomilin* 139

Cleavage of supercoiled double-stranded DNA by several ribosome-inactivating proteins in vitro (FEBS 14035) *J. Ling, W.-y. Liu, T.P. Wang* 143

Expression and functional characterisation of a synthetic version of the human D_4 dopamine receptor in a stable human cell line (FEBS 14037) *M. McHale, M.C. Coldwell, N. Herrity, I. Boyfield, F.M. Winn, S. Ball, T. Cook, J.H. Robinson, I.S. Gloger* 147

Activity oscillations predicted for pyruvate dehydrogenase complexes (FEBS 14039) *V.A. Selivanov, D.T. Zakrzhevskaya, B.N. Goldstein* 151

Thermal stability of lipid-depleted purple membranes at neutral and low pH values (FEBS 14040) *S.G. Taneva, R. Koynova, B. Tenchov* 154

Synthetic peptides in the determination of hepatitis A virus T-cell epitopes (FEBS 14041) *V.S. Ivanov, L.N. Kulik, A.E. Gabrielian, L.D. Tchikin, A.T. Kozhich, V.T. Ivanov* 159

Light signals are transduced to the phosphorylation of 15 kDa proteins in *Neurospora crassa* (FEBS 14050) *K. Oda, K. Hasunuma* 162

Temperature-dependent change of serological specificity of *Candida albicans* NIH A-207 cells cultured in yeast extract-added Sabouraud liquid medium: disappearance of surface antigenic factors 4, 5, and 6 at high temperature (FEBS 14048) *Y. Okawa, T. Takahata, M. Kawamata, M. Miyauchi, N. Shibata, A. Suzuki, H. Kobayashi, S. Suzuki* 167

Post-transcriptional repression of thymidine kinase expression during cell cycle and growth stimulation (FEBS 14065) *W. Mikulits, E.W. Müllner* 172

Kinetics and equilibria of *S*-nitrosothiol–thiol exchange between glutathione, cysteine, penicillamines and serum albumin (FEBS 14043) *D.J. Meyer, H. Kramer, N. Özer, B. Coles, B. Ketterer* 177

The formation of symmetrical GroEL–GroES complexes in the presence of ATP (FEBS 14046) *O. Llorca, S. Marco, J.L. Carrascosa, J.M. Valpuesta* 181

Human interleukin-13 activates the interleukin-4-dependent transcription factor NF-IL4 sharing a DNA binding motif with an interferon-γ-induced nuclear binding factor (FEBS 14052) *I. Köhler, P. Alliger, A. Minty, D. Caput, P. Ferrara, B. Höll-Neugebauer, G. Rank, E.P. Rieber* 187

Isolation, primary structures and metal binding properties of neuronal growth inhibitory factor (GIF) from bovine and equine brain (FEBS 14066) *D.L. Pountney, S.M. Fundel, P. Faller, N.E. Birchler, P. Hunziker, M. Vašák* 193

Antimycin inhibition of the cytochrome *bd* complex from *Azotobacter vinelandii* indicates the presence of a branched electron transfer pathway for the oxidation of ubiquinol (FEBS 13987) *S. Jünemann, J.M. Wrigglesworth* 198

Picosecond absorbance difference spectra of the antenna of photosynthetic purple bacteria: The influence of exciton interactions and librations (FEBS 14042) *R. Danielius, V. Novoderezhkin, A. Razjivin* 203

Identification of a putative membrane-interacting domain of CTP:phosphocholine cytidylyltransferase from rat liver (FEBS 14047) *T. Wieder, C.C. Geilen, M. Wieprecht, A. Becker, C.E. Orfanos* 207

Phosphoinositides in membranes that build up the triads of rabbit skeletal muscle (FEBS 14054) *H. Milting, L.M.G. Heilmeyer Jr., R. Thieleczek* 211

$pp60^{v\text{-}src}$ kinase overexpression leads to cellular resistance to the antiproliferative effects of tumor necrosis factor (FEBS 14055) *B.B. Aggarwal, K. Totpal, F. Ali-Osman, R.J.A. Budde, E. Pocsik* 219

Sequence analysis of the promoter region of the rat somatostatin receptor subtype 1 gene (FEBS 14058) *F. Hauser, W. Meyerhof, I. Wulfsen, C. Schönrock, D. Richter* 225

Chaperonin GroE and ADP facilitate the folding of various proteins and protect against heat inactivation (FEBS 14070) *Y. Kawata, K. Nosaka, K. Hongo, T. Mizobata, J. Nagai* 229

Interleukin 2 mediates $p72^{syk}$ activation in peripheral blood lymphocytes (FEBS 14064) *S. Qin, T. Inazu, C. Yang, K. Sada, T. Taniguchi, H. Yamamura* 233

Peroxynitrite causes calcium efflux from mitochondria which is prevented by Cyclosporin A (FEBS 14075) *M.A. Packer, M.P. Murphy* 237

Cyclic GMP in the perfused rat heart: Effect of ischaemia, anoxia and nitric oxide synthase inhibitor (FEBS 14073) *C. Depré, L. Hue* 241

Author index to volume 345 246

Contents to volume 345 249